TTL I/O Interface module MC07 enables the students and practicing engineers to gain invaluable practical experience of the principles and applications of a Microcontroller.

The aim is to program an external controller for performing experiments like combination controller (AND, OR, XOR and NOT operations), sequential controller, programmable counter, multiplexers etc.

MC07 provides 12 buffered TTL outputs and TTL inputs each. Logic state is indicated by LEDs. The 12 inputs are connected to DIP Switches and the 12 outputs are connected to LEDs.

Features

▸ **12 Input interface**

▸ **12 Output interface**

▸ **PC based programming**

▸ **Expansion connectors for plug in with Microcontroller**

▸ **Every pin is marked in order to make study easier**

▸ **Input/Output & test points provided on board**

▸ **Exhaustive Learning Material**

▸ **2 Year Warranty**

Note : This module is compatible with Nvis NV50XX series.

Scope of learning

▸ Study of interfacing of TTL I/P and O/P

▸ Study of Boolen logic gates

▸ Study of interfacing of Switchs and LED's.

Technical Specifications

Input pin voltage	:	TTL in
Output pin voltage	:	TTL out
LEDs	:	12 nos.
Switches	:	12 nos.
Power Supply	:	From Microcontroller development platform NV50XX series
Interface	:	20 pin FRC cable
Dimensions (mm)	:	W 250 x D 150 x H 80
Weight	:	311 gms (approx.)
Learning Material	:	CD (Theory, procedure, reference results, etc), Online (optional)

Included Accessories :

Learning material CD : 1 no.

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